

5/7/2018

Print

Purchasing Receipts



Dart, Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	To
PO039683	ACI001-VC	1	1	Net 30	MT-4140-S-0.375 <i>ASTM</i>	AISI 4140 Steel Sheet : AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395				48	5/7/2018	48		S069135	Stock	5/7/2018	\$ 44.79 / sf	0		\$2.1
		2			MT-4140-B-1.625X5.000	4140 Steel Bar 1.625 X 5.000 : MATERIAL: AISI 4140 / 4142 STEEL BAR MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626, MIL-S-24093 receive ft				3		3		S069136	Stock	5/7/2018	\$ 88.33 / ft	0		\$2
		4			MT-4140-B-2.250X8.000	AISI 4140 Steel Bar : Material: AISI 4140 STEEL BAR AS PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MIN. ROCKWELL C = 28 RC MAX. ROCKWELL C = 32 RC				5		4		S069137	Stock	5/7/2018	\$ 174.92 / ft	0		\$2
Total:										56		55								\$2,41

Plex 5/7/2018 3:16 PM Dart Dubois, Pascal



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total
PO039683	ACI001-VC	4	1	Net 30	MT-4140-S-1.625X5.000	4140 Steel Sheet 1.625 X 5.000 : MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395 receive ft				3	5/8/2018	3		S069297	Stock	5/8/2018	\$ 88.33 / ft	0		\$265
		5			MT-4140-S-2.250X8.000	AISI 4140 Steel Sheet 2.250" x 8.000" : MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395				5		4		S069298	Stock	5/8/2018	\$ 174.92 / ft	0		\$695
Total:										8		7								\$744

Plex 5/8/2018 8:59 AM Dart Dubois Pascal



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO039683

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO039683
PO Date: 4/24/18
Due Date: 5/7/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Lussier, PatrickPhone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

REVISED

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	MT-4140-S-1.625X5.000		4140 Steel Sheet 1.625 X 5.000 : MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395 receive ft	Firmed	5/8/18	3 ft	0 ft	3 ft	\$88.33333/ft	\$265.00
5	MT-4140-S-2.250X8.000	CUT TO SIZE: 14.750"	AISI 4140 Steel Sheet 2.250" x 8.000" : MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395	Firmed	5/8/18	4.917 ft	0 ft	5 ft	\$174.92/ft	\$860.08

Grand Total: \$1,125.08

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039683**

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO039683
PO Date: 4/24/18
Due Date: 5/3/18
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Phone:

E-MAILED
APR 24 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	MT-4140-S-0.375		AISI 4140 Steel Sheet : AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395	Firmed	5/3/18	48 sf	0 sf	48 sf	\$44.791666/sf	\$2,150.00
						48'			MAY 07 2018	DAS 11 9-89
2	MT-4140-B-1.625X5.000		4140 Steel Bar 1.625 X 5.000 : MATERIAL: AISI 4140 / 4142 STEEL BAR MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626, MIL-S-24093 receive ft	Firmed	5/3/18	3 ft	0 ft	3 ft	\$88.33333/ft	\$265.00
						3'			MAY 07 2018	DAS 11 9-89

Plex 4/24/18 11:50 AM dart.Lussier.Patrick

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	M304R4.000		304 SS Round Bar 4.000" : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE	Firmed	4/27/18	2 ft	0 ft	2 ft	\$155.965/ft	\$311.93
							2'		APR 30 2018	
4	MT-4140-B-2.250X8.000	CUT TO SIZE: 14.750"	AISI 4140 Steel Bar : Material: AISI 4140 STEEL BAR AS PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MIN. ROCKWELL C = 28 RC MAX. ROCKWELL C = 32 RC	Firmed	5/3/18	4.917 ft	0 ft	5 ft	\$174.92/ft	\$860.08
							4 Pcs		MAY 07 2018	DAS 11 9-89
Line Item Note Please cut into 4 pieces of 14 3/4"										
5	M6061T6S2.250X13.500		6061-T6 Sheet 2.250" Thick x 13.500" Wide cut to size: 16.750" : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209	Firmed	4/27/18	9 ft	0 ft	9 ft	\$252.00/ft	\$2,268.00
							9 Pcs		APR 30 2018	
Line Item Note Please Cut into 9 pieces of 16 3/4"										
									Grand Total: \$5,855.01	

Order Notes

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 4/24/18 11:50 AM dart.Lussier.Patrick

**ACIER OUELLETTE INC.**

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

DELIVERY - CLIENT**Copy**

C000085669

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction F-M

Delivery Route 5

Page 1

Credit Terme

Net 30 Days

Salesman

Processed by

Josianne Bourdon

Delivery date

2018/05/07

Your order N°

039683

Customer N°

CL10001056

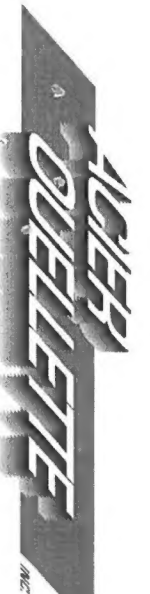
Date

2018/04/24

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
1 PLATE 4140 HEAT TREAT 3/8 NS P4140-38H 8806 1 X 4' X 12' LINE 1 AC15637-FU-03/05 HEAT: 298132	734.88	48.00	PI2_\$CLB		1X		48012		DAS 11 9-89		MAY 07 2018
2 PLATE 4140 HEAT TREAT 1 5/8 NS P4140-158H 10458 1 X 5" X 36" LINE 2 AC15637-FU-03/05 HEAT: 284838	82.91	1.25	PI2_\$CLB		1X		31		DAS 11 9-89		MAY 07 2018
3 PLATE 4140 HEAT TREAT 2 1/4 NS P4140-214H 9352 4 X 14 3/4" X 8" LINE 4 AC15637-FU-03/05	303.24	3.30	PI2_\$CLB		4X		4005		DAS 11 9-89		MAY 07 2018

NIR : R-109516-6

Next Page...



ACIER OUELLETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

DELIVERY - CLIENT

Copy C000085669

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction F-M

Delivery Route 5

Page

2

Credit Terme

Net 30 Days

Salesman

Processed by

Josianne Bourdon

Your order N°

039683

Delivery date

2018/05/07

Customer N°

CL10001056

Date

2018/04/24

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only		
				CMD	EXP	B/O	IN	I	S C OUT
HEAT: 302967									

Total Weight (Lbs) : 1 121.03

NIR : R-109516-6

Conditions :
All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :

Verified By :

Delivered By :

Time

Total (\$CAD)

DiD

by

Customer's Signature

Date

18/05/07

85669
Dart

15637N

Chemical certification Certification chimique
--

Order Num / No. Commande AC-15637	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA	Date 01/25/17	Heat / coulee 298132	Material ID # / No matière
Grade / Nuance 4140 PLT	Conditions HEAT TREAT				
Shape / Forme PLT	Size / Dimension 0.375	Specifications			

Chemical composition / Analyse chimique				
Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)	
Mini / maxi 0.3700 / 0.4400	0.1500 / 0.3500	0.6500 / 1.1000	0.0100 / 0.0190	
Actuel % 0.427	0.248	0.785	0.006	
Sulphur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)	
Mini / maxi 0.0200 / 0.0400	0.7500 / 1.2000	0.1000 / 0.2000	0.1500 / 0.2500	
Actuel % 0.001	0.970	0.250	0.190	
Copper (Cu)	Vanadium (V)	Aluminum (Al)	Tungsten (W)	
Mini / maxi 0.1900 / 0.2900	0.0400 / 0.0500	0.0000 / 0.0000	0.0000 / 0.0000	
Actuel % 0.136	0.036	0.027	0.000	
Cobalt (Co)	Titanium (Ti)			
Mini / maxi 0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.000	0.000	0.000	0.000	0.000

Mechanical properties / Propriétés Mécaniques					
Yield strenght / Élasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC	Surface Hd / Dureté
0.000 PSI	0.000 PSI	0.00	0.00		280/281 BHN

Note:

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut on été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.


 Prepared by: / Préparé par:

#5669 Dart

Chemical certification
Certification chimique

#15637 N

Order Num / No. Commande AC-15637	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA	Date 08/08/13	Heat / Soulée 284838	Material ID # / No. matière
Grade / Nuance 4140 PLT	Conditions HEAT TREATED Q&T				
Shape / Forme FLT	Size / Dimension 1.625	Specifications ASTM A434 / SAE J404 / ASTM A829-06			

Chemical composition / Analyse chimique

Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)
Mini / maxi 0.3700 / 0.4400	0.1500 / 0.3500	0.6500 / 1.1000	0.0100 / 0.0190
Actuel % 0.400	0.220	0.810	0.010
Sulphur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)
Mini / maxi 0.0200 / 0.0400	0.7500 / 1.2000	0.1000 / 0.2000	0.1500 / 0.2500
Actuel % 0.001	1.030	0.000	0.160
Copper (Cu)	Vanadium (V)	Aluminum (Al)	Tungsten (W)
Mini / maxi 0.1900 / 0.2900	0.0400 / 0.0500	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.000	0.040	0.000	0.000
Cobalt (Co)	Titanium (Ti)		
Mini / maxi 0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.000	0.000	0.000	0.000


Mechanical properties / Propriétés Mécaniques

Yield strenght / Élasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC	Surface Hd / Dureté
0.000 PSI	0.000 PSI	0.00	0.00		302 BHN

Note:

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut on été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.


Prepared by: / Préparé par:

Chemical certification
Certification chimique

#15637N

85669
Dait.

Order Num / No Commande AC-15637	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA	Date 12/30/17	Heat / coutée 302967	Material ID # / No. matériel
Grade / Nuance 4140 PLT	Conditions HEAT TREATED; E + VD				
Shape / Forme PLT	Size / Dimension 2.250	Specifications ASTM A829/A829M			

Chemical composition / Analyse chimique

Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)
Mini / maxi 0.3700 / 0.4400	0.1500 / 0.3500	0.6500 / 1.1000	0.0100 / 0.0190
Actuel % 0.418	0.254	0.752	0.007
Sulphur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)
Mini / maxi 0.0200 / 0.0400	0.7500 / 1.2000	0.1000 / 0.2000	0.1500 / 0.2500
Actuel % 0.000	0.990	0.120	0.160
Copper (Cu)	Vanadium (V)	Aluminum (Al)	Tungsten (W)
Mini / maxi 0.1900 / 0.2900	0.0400 / 0.0500	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.250	0.031	0.030	0.000
Cobalt (Co)	Titanium (Ti)		
Mini / maxi 0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.000	0.000	0.000	0.000

Mechanical properties / Propriétés Mécaniques

Yield strenght / Élasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC	Surface Hd / Dureté
0.000 PSI	0.000 PSI	0.00	0.00		321 BHN

Note:

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut on été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.

Prepared by: / Préparé par:

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-5-0.375
DATE: MAY 08 2018

PO / BATCH NO.: 039683/5069135

MATERIAL CERT REC'D: Yes
QUANTITY RECEIVED: 48⁵
QUANTITY INSPECTED: 48⁵
QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.375
THICKNESS RECEIVED: 0.386
SHEET SIZE ORDERED: 4x12
SHEET SIZE RECEIVED: 4x12

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	Astm A829
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	Heat # 298131
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>QAS 11</u> DATE: <u>89 MAY 08 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE
MINIMUM ROCKWELL C = 28 Rc
MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION: ASTM A829, AMS 6395

PART NUMBER: MT-4140-S-T.TTT x W.WWW
WHERE "T.TTT" = THICKNESS IN INCHES
WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063
EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500



Newbury, Ontario, Canada

TITLE
AISI 4140 / 4142 STEEL SHEET OR PLATE

PART NO. MT-4140-S

REV. A

DESIGNED BY: VM 21/3/2018
DRAWN BY: VM 02/13/2018
CHECKED BY: VM 02/13/2018
INFO REVIEW BY: DD 02/13/2018
APPROVED BY: ML 02/14/2018

SCALE: NTS
SHEET 1 OF 1

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Chemical certification
Certification chimique

Order Num / No Commande AC-15637	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA	Date 01/25/17	Heat / coulée 298132	Material ID # / No. matière
Grade / Nuance 4140 PLT	Conditions HEAT TREAT				
Shape / Forme PLT	Size / Dimension 0.375	Specifications ASTM A829/8829M			

Chemical composition / Analyse chimique				
Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)	
Mini / maxi 0.3700 / 0.4400	0.1500 / 0.3500	0.6500 / 1.1000	0.0100 / 0.0190	
Actuel % 0.427	0.248	0.785	0.006	
Sulphur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)	
Mini / maxi 0.0200 / 0.0400	0.7500 / 1.2000	0.1000 / 0.2000	0.1500 / 0.2500	
Actuel % 0.001	0.970	0.250	0.190	
Copper (Cu)	Vanadium (V)	Aluminum (Al)	Tungsten (W)	
Mini / maxi 0.1900 / 0.2900	0.0400 / 0.0500	0.0000 / 0.0000	0.0000 / 0.0000	
Actuel % 0.136	0.036	0.027	0.000	
Cobalt (Co)	Titanium (Ti)			
Mini / maxi 0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.000	0.000	0.000	0.000	0.000
Mechanical properties / Propriétés Mécaniques				
Yield strenght / Élasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC
0.000 PSI	0.000 PSI	0.00	0.00	
				Surface Hd / Dureté
				280/281 BHN

Note:

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut on été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur


Prepared by: / Préparé par

PAR E-MAIL LE 11 MAI 2018



MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-S-1.625x5.000

PO / BATCH NO.: 039683/5069297

DATE: MAY 08 2018

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 3
 QUANTITY INSPECTED: 3
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.625
 THICKNESS RECEIVED: 1.625
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORROSION	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	<u>A57m A829</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
PHOTO REQUIRED	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	<u>Heat # 284838</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="radio"/> N <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="radio"/> N <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> DATE: <u>9-89 MAY 08 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW ISSUE	18-544	18.2.13	VM	ML

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE
 MINIMUM ROCKWELL C = 28 Rc
 MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION: ASTM A829, AMS 6395

PART NUMBER: MT-4140-S-(T.TTT) x (W.WWW)
 WHERE "T.TTT" = THICKNESS IN INCHES
 WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063
 EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500

	
TITLE AISI 4140 / 4142 STEEL SHEET OR PLATE	
PART NO. MT-4140-S	REV. A
TOOL NO.	
INITIALS AND DATE DESIGNED BY: VM 2/13/2018 DRAWN BY: VM 02/13/2018 CHECKED BY: VM 02/13/2018 INFO REVIEW BY: DD 02/13/2018 APPROVED BY: ML 02/14/2018	
DIMENSIONS ARE IN INCHES DIMENSIONS APPLY AT FINE FINISHING TOLERANCES: FRACTIONS ± 1/8 DECIMALS ± .005 ANGLES ± 1° SURFACE ROUGHNESS SCALE: NTS SHEET 1 OF 1	
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-S-2.250X8.000

PO / BATCH NO.: 039683/5069298

DATE: MAY 08 2019

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 4 PCS
 QUANTITY INSPECTED: 4 PCS
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.250
 THICKNESS RECEIVED: 2.250
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	<u>Astm A829</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	<u>Heat # 302967</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="radio"/> N <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="radio"/> N <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> DATE: <u>11 MAY 08 2019</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

8 7 6 5 4 3 2 1

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW ISSUE	18-544	18.2.13	VM	ML

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE
MINIMUM ROCKWELL C = 28 Rc
MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION: ASTM A829, AMS 6395

PART NUMBER: MT-4140-S-IT.TTTI x IW.WWWW
WHERE "T.TTTI" = THICKNESS IN INCHES
WHERE "W.WWWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063
EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500



TITLE		Hemelburg, Ontario, Canada	
AISI 4140 / 4142 STEEL SHEET OR PLATE			
PART NO.	REV		
MT-4140-S	A		
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES DIMENSIONS IN PARENTHESES ARE METRIC EQUIVALENTS DIMENSIONS APPLY AFTER FINISHING			
DESIGNED BY:	INITIALS AND DATE	TOLERANCES:	
VM 2/13/2018		FRACTIONS ± 1/16	
DRAWN BY:		DECIMALS ± 0.005	
VM 02/13/2018		ANGLES ± 1°	
CHECKED BY:		SURFACE	
VM 02/13/2018		ROUGHNESS	
INFO REVIEW BY:		SCALE: NTS	
DD 02/13/2018		SHEET 1 OF 1	
APPROVED BY:		COPYRIGHT © 2018 BY DART AEROSPACE LTD	
ML 02/14/2018		THIS DOCUMENT IS UNCLASSIFIED TO THE PUBLIC AND IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED WITHOUT PERMISSION FROM DART AEROSPACE LTD	

ml

8 7 6 5 4 3 2 1